



NuMI Primary Installation

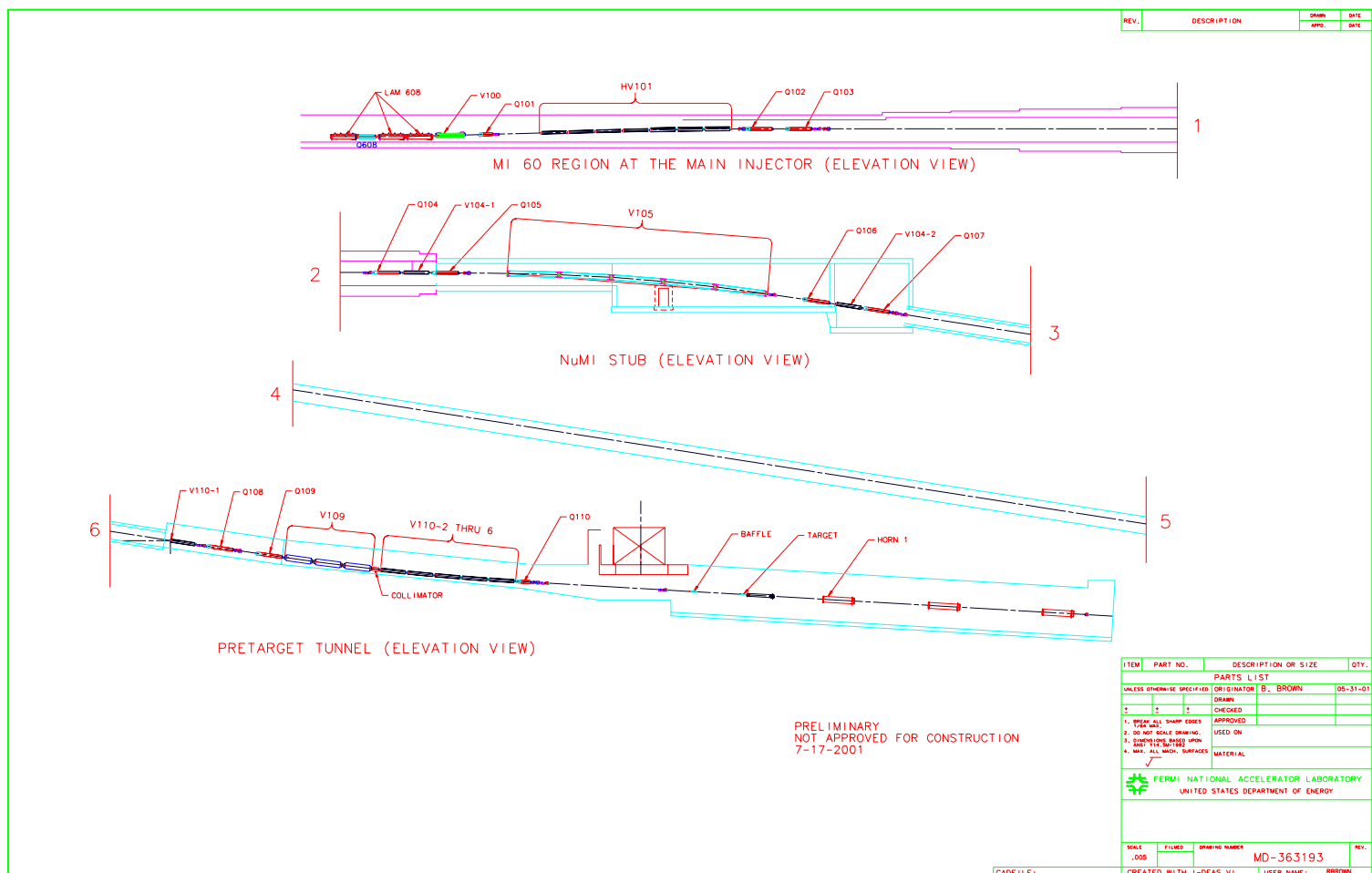
Upstream NuMI Installation
July 18, 2001
T. Anderson, S. Childress
Page 1

- Four distinct regions with different features and constraints (see figure)
 - Main Injector interface - MI 60 region
 - NuMI Stub, including new construction extension
 - Carrier tunnel
 - Pre-target tunnel.
- Upstream mechanical installation led by Terry Anderson.
 - S. Childress presents some detail.
- R. Woods and D. Pushka will discuss installation plans for NuMI Stub (3 elevation levels - access from MI) and Pre-target (sloped tunnel - access from target hall)



NuMI Primary Enclosures

Upstream NuMI Installation
July 18, 2001
T. Anderson, S. Childress
Page 2





Upstream NuMI Installation

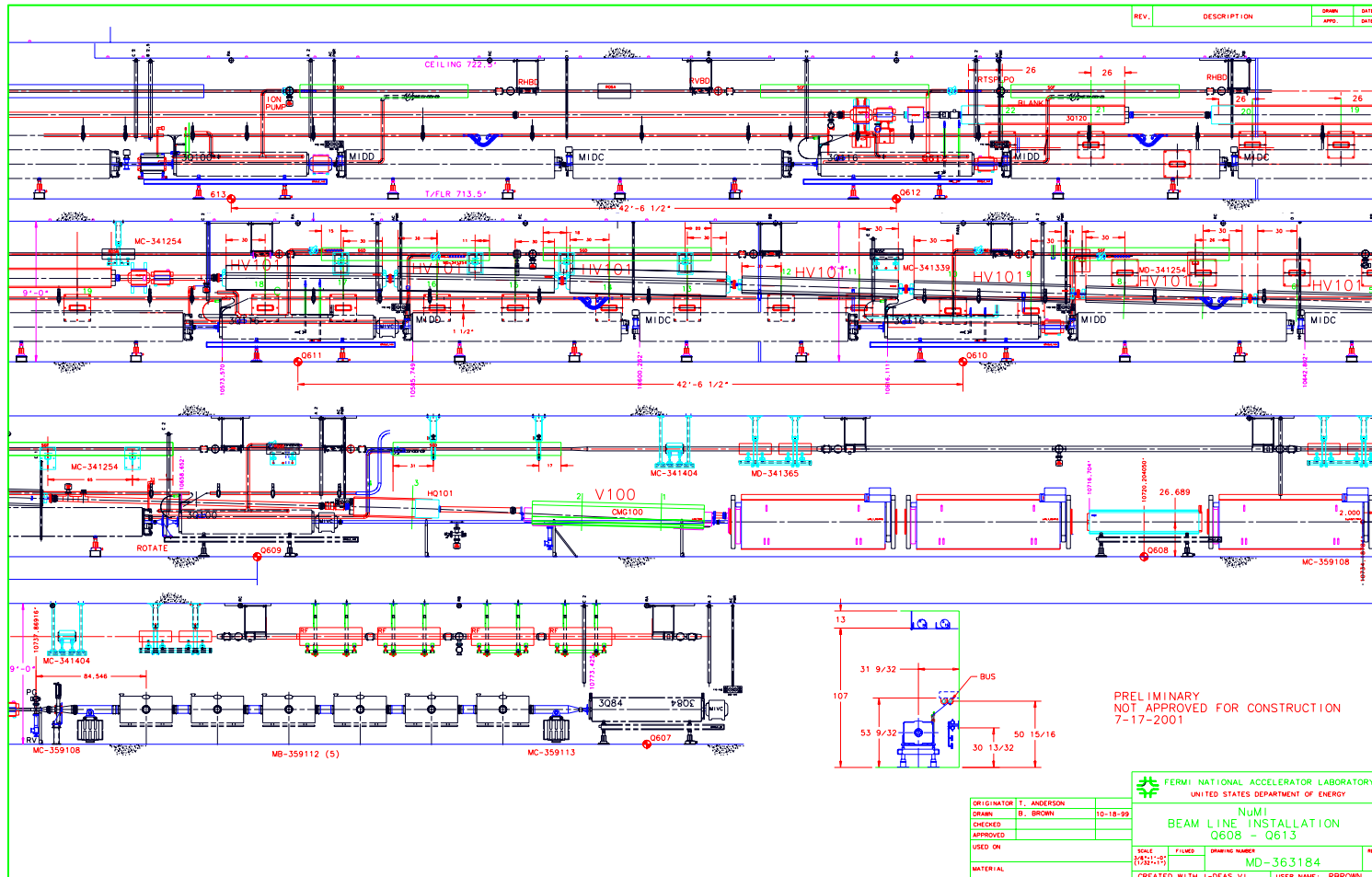
Upstream NuMI Installation
July 18, 2001
T. Anderson, S. Childress
Page 3

- NuMI extraction channel in close proximity to Main Injector and Recycler Rings.
 - Several interferences addressed during '00 downtimes.
- Kicker magnets at 602, Lambertsons at 608 region. Installation of these is ~ 2 years away.
- Installation of HV101 EPB dipole string (6 of 7) and 3Q120 quads during Feb.'01 shutdown.
 - For one dipole is interference with Recycler ion pump, which must be rotated.



MI 608-612 Region

Upstream NuMI Installation
July 18, 2001
T. Anderson, S. Childress
Page 4





Rotated EPB Dipole - HV101

Upstream NuMI Installation

July 18, 2001

T. Anderson, S. Childress

Page 5





Installing Q103

Upstream NuMI Installation
July 18, 2001
T. Anderson, S. Childress
Page 6

